

Query/Command : PRT SS 2 MAX 1-5 IMG FROM JAPIO

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PN - JP 04058074 A 19920225 [JP04058074]

TI - SYRINGE PUMP AND ITS OPERATING METHOD

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PA - KONICA CORP

AP - JP16636890 19900625 [1990JP-0166368]

IC1 - F04B-021/04

AB - PURPOSE: To restrain discharge speeds from fluctuating in the discharge process to a great extent by setting a syringe pump vertically, and thereby forming a gas layer between the front face of a piston and fluid surface.

- CONSTITUTION: A syringe pump is set vertically, and gas (air) A is sealed in a gap between the front surface of a piston 2 and fluid surface. In the second place, in the process of discharging fluid L, a cylinder 1 is lifted by a lifting means, the state of fluid surface is fixed at the time of discharge. By this constitution, discharging speeds are restrained from being fluctuated to a great extent in the process of discharge, the occurrence of fluctuation can thereby be prevented even with no accumulator furnished.

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